Datasheet for ABIN739464

anti-Arc antibody (AA 101-200) (Cy5)

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1 Publication

Overview

Quantity:	100 µL
Target:	Arc
Binding Specificity:	AA 101-200
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Arc antibody is conjugated to Cy5
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ARC
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Arc
Alternative Name:	ARC/Arg3.1 (Arc Products)
Background:	Synonyms: Arg3.1, Activity-regulated cytoskeleton-associated protein, ARC/ARG3.1, Activity-

Target Details

	regulated gene 3.1 protein homolog, ARC, KIAA278 Background: Required for consolidation of synaptic plasticity as well as formation of long-term memory. Regulates endocytosis of AMPA receptors in response to synaptic activity. Required for homeostatic synaptic scaling of AMPA receptors (By similarity). Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the stress fiber dynamics and cell migration.
Gene ID:	23237
UniProt:	Q7LC44

Application Details

Application Notes:	FCM 1:20-100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Atluri, Kanthikeel, Reddy, Yndart, Nair: "Human synaptic plasticity gene expression profile and dendritic spine density changes in HIV-infected human CNS cells: role in HIV-associated neurocognitive disorders (HAND)." in: **PLoS ONE**, Vol. 8, Issue 4, pp. e61399, (2013) (PubMed).